



GP 1711

PATENT

Docket No.: 57899/110

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Lee et al.)
 Serial No. : 09/601,310, based on PCT/KR99/00244)
 Cnfrm. No. : 9736)
 Filed : May 15, 1999)
 For : METHODS FOR REFORMING POLYMER)
 SURFACE FOR IMPROVED WETTABILITY)

Examiner:
S. Berman

Art Unit:
1711

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U.S. Patent and Trademark Office
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 Arlington, VA 22202
Box:

Sir:

Transmitted herewith is an Amendment (14 pages) with Appendix A (2 pages) in the above-identified application. Also enclosed are:

- A Request for One-Month Extension of Time.
- Applicant claims small entity status. (See 37 CFR 1.27.)
- A self-addressed, prepaid postcard for acknowledging receipt.
- No additional fee is required.
- The fee has been calculated as shown below:

| | (Col. 1) | | (Col. 2) | (Col. 3) | a) SMALL ENTITY b) LARGE ENTITY | |
|--|---|-------|---------------------------------------|------------------|------------------------------------|--------------|
| | CLAIMS REMAINING AFTER AMENDMENT | | HIGHEST NO. PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE | ADD'L FEE |
| TOTAL | 16 | MINUS | 31 | + 0 | x a) \$ 9= b) \$18 | \$0 |
| INDEP | 2 | MINUS | 4 | + 00 | x a) \$42= b) \$84 | \$0 |
| [] FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM | | | | | See fee Schedule | \$110.00 |
| [X] Extension of Time Fee (1 Months) | | | | | | |
| TOTAL | | | | | | \$110.00 |

- A check for \$110.00 is enclosed to cover the above fees.
- Please charge my Deposit Account No. 14-1138 in the amount of \$ _____
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- The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 14-1138.
A duplicate copy of this sheet is enclosed.

Date: November 25, 2002

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| | |
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| Date <u>11/25/02</u> | <u>Peggy Dimyer</u> Peggy Dimyer |



PATENT

Docket No.: 57899/110 (FPC99026-PCT/US)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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AMENDMENT

U.S. Patent and Trademark Office
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Dear Sir:

In response to the July 31, 2002 office action, please amend the above-identified patent application as follows:

In the Claims:

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Please cancel claims 1-7, 9, and 18 without prejudice and substitute pending claims 8, 15, 17, 19, 20, 22, 23, and 31 with amended claims 8, 15, 17, 19, 20, 22, 23, and 31 as follows:

B1

8. (Amended) The method in accordance with claim 15, wherein the polymer membrane is a microporous film manufactured either by a dry process where pores are formed by low and high temperature stretching or by a wet process where material of low molecular weight is extracted to form pores.

B2

15. (Twice-Amended) A method for providing hydrophilicity or increased hydrophobicity to the surface of a polymer membrane comprising: